

Title (en)
HOUSEHOLD APPLIANCE AND METHOD FOR POWERING AT LEAST A FIRST AND A SECOND ELECTRIC OR ELECTRONIC COMPONENT OR ASSEMBLY

Title (de)
HAUSHALTSGERÄT UND VERFAHREN ZUM BETREIBEN MINDESTENS EINER ERSTEN UND ZWEITEN ELEKTRISCHEN ODER ELEKTRONISCHEN KOMPONENTE ODER ANORDNUNG

Title (fr)
APPAREIL MÉNAGER ET PROCÉDÉ D'ALIMENTATION D'AU MOINS UN PREMIER ET UN SECOND COMPOSANT OU ENSEMBLE ÉLECTRIQUE OU ÉLECTRONIQUE

Publication
EP 3768044 A1 20210120 (EN)

Application
EP 19186623 A 20190716

Priority
EP 19186623 A 20190716

Abstract (en)
The present invention relates to a household appliance (101, 201, 301), particularly a cooking hob, which comprises a control unit for controlling at least one first electric or electronic component or assembly, particularly a heating element (115, 215), e.g. an induction heating coil. The control unit and/or the at least one first electric or electronic component is supplied by a power source by means of a supply wire. At least one second electric or electronic component or assembly (117, 217) is arranged in the interior of the household appliance (101, 210, 301). The second electric or electronic component or assembly (117, 217) comprises energy production, harvesting, receiving or tapping means (125, 225) for providing electrical energy adapted for at least a self-supply of the second electric or electronic component or assembly (117, 217). Further, the invention relates a method for powering at least a first and a second electric or electronic component or assembly in a household appliance (101, 210, 301), particularly in a cooking hob. A control unit controls at least one first electric or electronic component or assembly, particularly a heating element (115, 215), e.g. an induction heating coil. A power source, particularly an electronic power board, supplies the control unit and/or the at least one first electric or electronic component or assembly by means of a supply wire. The first electric or electronic component or assembly transmits energy wirelessly during its operation to at least one second electric or electronic component or assembly (117, 217) for an energy supply of the second electric or electronic component or assembly (117, 217) .

IPC 8 full level
H05B 6/12 (2006.01); **H05B 6/06** (2006.01)

CPC (source: EP)
H05B 6/062 (2013.01); **H05B 6/1218** (2013.01)

Citation (applicant)
US 2018124879 A1 20180503 - PUCHINGER BIANCA [DE], et al

Citation (search report)
• [X] EP 2469973 A1 20120627 - BSH BOSCH SIEMENS HAUSGERAETE [DE]
• [X] EP 3462815 A1 20190403 - LG ELECTRONICS INC [KR]
• [X] WO 2015096928 A1 20150702 - ARCELIK AS [TR]

Cited by
CN113721511A

Designated contracting state (EPC)
AL AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MK MT NL NO PL PT RO RS SE SI SK SM TR

Designated extension state (EPC)
BA ME

DOCDB simple family (publication)
EP 3768044 A1 20210120

DOCDB simple family (application)
EP 19186623 A 20190716